ABSTRACT

An interface receives, in a ticket request, service ID data designating a service to be provided, together with user ID data and apparatus ID data, from an external apparatus, and receives a cancellation request including the user ID data and the apparatus ID data from the external apparatus. A processor produces a result of an authentication based on the user ID data and the apparatus ID data upon a reception of the ticket request, and deletes, from a memory, the apparatus ID data after deleting, from the memory, the service ID data, when the interface receives, from the external apparatus, the cancellation request requesting a deletion of the apparatus ID data. The interface transmits a ticket to the external apparatus, in response to the reception of the ticket request, based on the result of the authentication based on the user ID data and the apparatus ID data.